


Title FEV-60_IO_Board.SchDoc			
Revision:	Number:*	Team Skytanic Senior Design 2019/2020	
Date: 2/2/2020	Sheet* of *		
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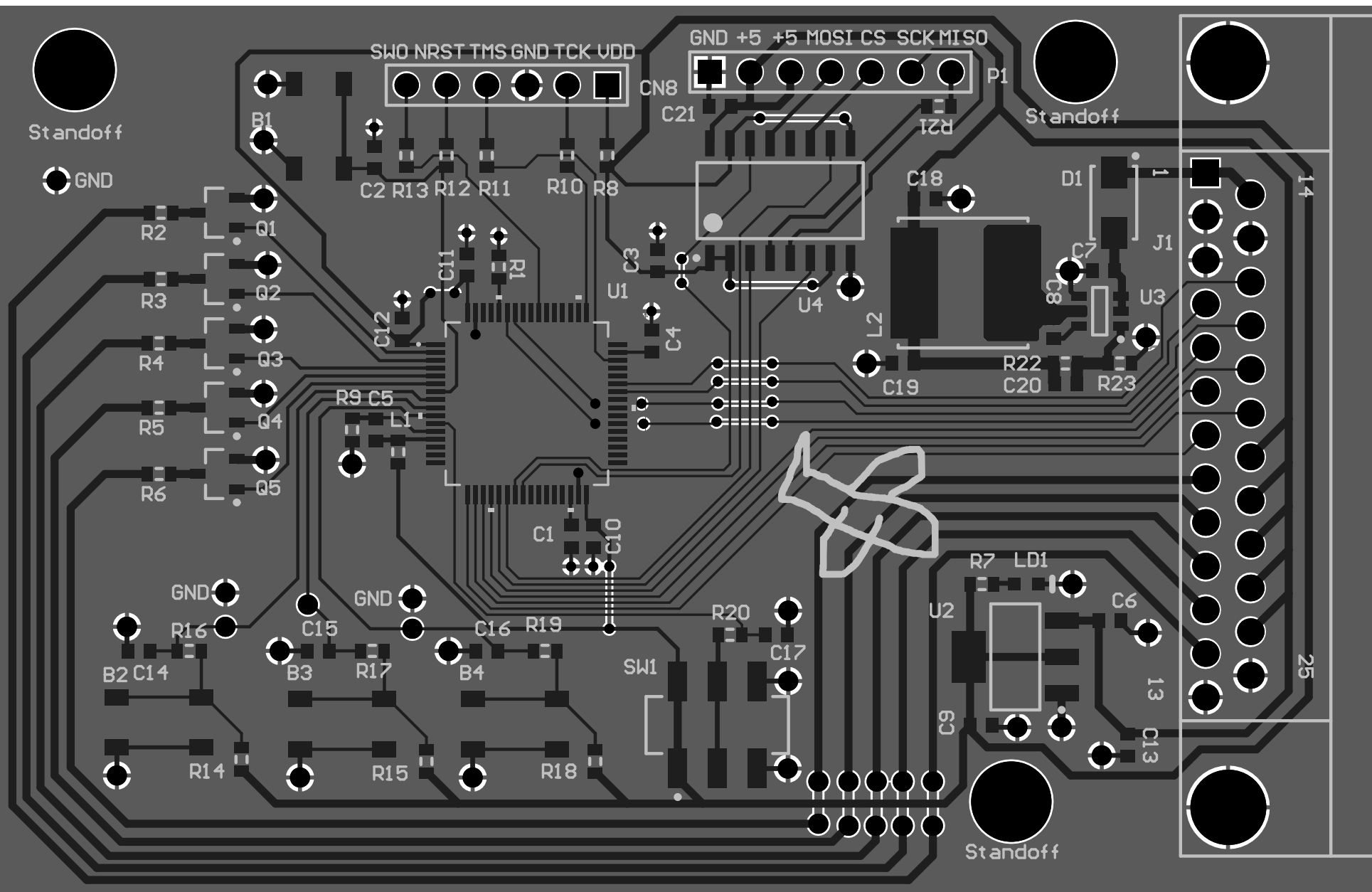
Standoff
GND

SWO NRST TMS GND TCK VDD

GND +5 +5 MOSI CS SCK MISO

Standoff

Standoff



Comment	Description	Designator	Footprint	LibRef	Quantity
TD-0341 [RESET/Black]	SE PUSHBUTTON	B1, B2, B3, B4	Button	SW PUSHBUTTON	4
Cap Semi	Capacitor (Semiconducto	C1, C2, C3, C4, C5, C	1608[0603]	Cap Semi	21
Header 6X1	Header, 6-Pin, Single	CN8	HDR1X6	Header 6X1	1
STPS2L30A	STPS2L30A	D1	STPS2L30A	STPS2L30A	1
D Connector 25	Receptacle Assembly	J1	DSUB1.385-2H25A	D Connector 25	1
Ferrite	Resistor	L1	J1-0603	Res3	1
Inductor	Inductor	L2	74404084100	Inductor	1
HSMS-C190	LED Uni-Color Red, 5	LD1	AVAG-HSMX-C190_V	CMP-2000-06427-1	1
Header 7	Header, 7-Pin	P1	HDR1X7	Header 7	1
MOSFET-N	N-Channel MOSFET	Q1, Q2, Q3, Q4, Q5	RK7002BMT116	MOSFET-N	5
Res3	Resistor	R1, R2, R3, R4, R5, R	J1-0603	Res3	23
JS202011SCQN	Switch Slide DPDT, 0	SW1	CKCP-JS202011SCQN	CMP-2000-05087-1	1
MCU_LQFP64		U1	STM32F030R8	MCU_LQFP64	1
LD1117S33TR		U2	LD1117S33TR	LD1117	1
AP63301WU-7	Buck Switching Regulat	U3	AP63301WU-7	AP63301WU-7	1
CD40109BNSR	CMOS Quad Low-to-H	U4	NS0016A_N	CMP-1527-00005-2	1